

Table 11. Net Natural Gas, Imports, Actual vs. Forecasts

	Comparison of AEO Imports Forecasts to Historical Figures										
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
(trillion cubic feet)											
AEO82	1.19	1.19	1.19	1.19	1.19	1.19					
AEO83	1.08	1.16	1.23	1.23	1.23	1.23					1.23
AEO84	0.99	1.05	1.16	1.27	1.43	1.57					2.11
AEO85	0.94	1.00	1.19	1.45	1.58	1.86	1.94	2.06	2.17	2.32	2.44
AEO86		0.74	0.88	0.62	1.03	1.05	1.27	1.39	1.47	1.66	1.79
AEO87			0.84	0.89	1.07	1.16	1.26	1.36	1.46	1.65	1.75
AEO89				1.15	1.32	1.44	1.52	1.61	1.70	1.79	1.87
AEO90					1.26	1.43					2.07
AEO91						1.36	1.53	1.70	1.82	2.11	2.30
AEO92							1.48	1.62	1.88	2.08	2.25
AEO93								1.79	2.08	2.35	2.49
AEO94									2.02	2.40	2.66
AEO95										2.46	2.54
AEO96											2.56
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											
Actual	0.89	0.69	0.94	1.22	1.28	1.45	1.64	1.92	2.21	2.46	2.69
Average Absolute Error (Across AEOs)	0.16	0.34	0.20	0.19	0.14	0.20	0.24	0.31	0.39	0.37	0.53

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
(percent error)											
AEO82	33.1	72.7	26.7	-2.5	-7.0	-17.7					
AEO83	20.8	68.4	31.0	0.8	-3.9	-14.9					-54.2
AEO84	10.7	52.4	23.5	4.1	11.7	8.6					-21.5
AEO85	5.1	45.1	26.7	18.9	23.4	28.6	18.0	7.2	-1.8	-5.8	-9.2
AEO86		7.4	-6.3	-49.2	-19.5	-27.4	-22.7	-27.6	-33.5	-32.6	-33.4
AEO87			-10.5	-27.0	-16.4	-19.8	-23.4	-29.2	-33.9	-33.0	-34.9
AEO89				-5.7	3.1	-0.4	-7.5	-16.2	-23.1	-27.3	-30.4
AEO90					-1.6	-1.1					-23.0
AEO91						-5.9	-6.9	-11.5	-17.6	-14.3	-14.4
AEO92							-10.0	-15.7	-14.9	-15.5	-16.3
AEO93								-6.8	-5.9	-4.5	-7.3
AEO94									-8.6	-2.5	-1.0
AEO95										-0.1	-5.5
AEO96											-4.7
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											
Average Absolute Percent Error (Across AEOs)	17.4	49.2	20.8	15.5	10.8	13.8	14.8	16.3	17.4	15.1	19.7

Table 11. Net Natural Gas Imports, Actual vs. Forecasts

	Comparison of AEO Imports Forecasts to Historical Figures								2004	2005	2006
	1996	1997	1998	1999	2000	2001	2002	2003			
(trillion cubic feet)											
AEO82											
AEO83											
AEO84											
AEO85											
AEO86	1.96	2.17	2.38	2.42	2.43						
AEO87					2.50						
AEO89	1.98	2.06	2.15	2.23	2.31						
AEO90					2.68				2.95		
AEO91	2.33	2.36	2.42	2.49	2.56	2.70	2.75	2.83	2.90	2.95	3.02
AEO92	2.41	2.56	2.68	2.70	2.72	2.76	2.84	2.92	3.05	3.10	3.20
AEO93	2.61	2.74	2.89	2.95	3.00	3.05	3.10	3.17	3.29	3.42	3.58
AEO94	2.74	2.81	2.85	2.89	2.93	2.95	2.97	3.00	3.16	3.31	3.50
AEO95	2.80	2.87	2.87	2.89	2.90	2.90	2.92	2.95	2.97	3.00	3.03
AEO96	2.75	2.85	2.88	2.93	2.98	3.02	3.06	3.07	3.09	3.12	3.17
AEO97	2.82	2.96	3.16	3.43	3.46	3.50	3.53	3.58	3.64	3.69	3.74
AEO98		2.95	3.19	3.53	3.84	3.87	3.89	3.94	3.98	4.02	4.06
AEO99			2.92	3.16	3.29	3.41	3.44	3.47	3.59	3.68	3.85
AEO2000				3.42	3.65	3.85	4.00	4.10	4.14	4.19	4.24
AEO2001					3.51	3.76	3.88	4.07	4.33	4.48	4.65
AEO2002						3.68	3.74	4.04	4.31	4.50	4.58
Actual	2.78	2.84	2.99	3.42	3.54	3.65					
Average Absolute Error (Across AEOs)	0.30	0.26	0.29	0.52	0.56	0.46					

1996 1997 1998 1999 2000 2001

(percent error)											
AEO82											
AEO83											
AEO84											
AEO85											
AEO86	-29.5	-23.6	-20.4	-29.2	-31.3						
AEO87					29.3						
AEO89	-28.8	-27.5	-28.1	-34.8	-34.7						
AEO90					24.3						
AEO91	-16.2	-16.9	-19.1	-27.2	-27.6	-26.0					
AEO92	-13.3	-9.9	-10.4	-21.1	-23.1	-24.3					
AEO93	-6.1	-3.5	-3.3	-13.7	-15.2	-16.4					
AEO94	-1.4	-1.1	-4.7	-15.5	-17.2	-19.1					
AEO95	0.7	1.1	-4.0	-15.5	-18.0	-20.5					
AEO96	-1.1	0.4	-3.7	-14.3	-15.8	-17.2					
AEO97	1.4	4.2	5.7	0.3	-2.2	-4.0					
AEO98		3.9	6.7	3.2	8.5	6.1					
AEO99			-2.3	-7.6	-7.0	-6.5					
AEO2000				0.0	3.2	5.6					
AEO2001					-0.7	3.2					
AEO2002						1.0					
Average Absolute Percent Error (Across AEOs)	11.0	9.2	9.9	15.2	17.2	12.5					

Table 11. Net Natural Gas, Imports, Actual vs. Forecasts

	2007	2008	2009	2010	2011	2012	2013	2014	2015
AEO Imports Forecasts (trillion cubic feet)									
AEO82									
AEO83									
AEO84									
AEO85									
AEO86									
AEO87									
AEO89									
AEO90					2.95				
AEO91	3.09	3.17	3.19	3.09					
AEO92	3.25	3.30	3.30	3.31					
AEO93	3.75	3.85	4.06	4.15					
AEO94	3.57	3.63	3.74	3.85					
AEO95	3.19	3.35	3.51	3.60					
AEO96	3.23	3.29	3.37	3.46	3.56	3.68	3.79	3.90	4.02
AEO97	3.78	3.83	3.87	3.92	3.97	4.04	4.11	4.17	4.23
AEO98	4.11	4.16	4.22	4.28	4.34	4.42	4.51	4.58	4.64
AEO99	4.00	4.12	4.21	4.35	4.45	4.52	4.61	4.69	4.78
AEO2000	4.32	4.38	4.45	4.52	4.57	4.64	4.70	4.77	4.85
AEO2001	4.74	4.86	4.97	5.06	5.16	5.26	5.36	5.43	5.50
AEO2002	4.68	4.72	4.80	4.89	4.97	5.06	5.13	5.20	5.26

Table 11. Net Natural Gas, Imports, Actual vs. Forecasts

	Absolute Forecasting Errors as Compared to Actual Historical Figures											
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
(absolute forecasting error)												
AEO82	0.30	0.50	0.25	0.03	0.09	0.26						
AEO83	0.19	0.47	0.29	0.01	0.05	0.22						1.46
AEO84	0.10	0.36	0.22	0.05	0.15	0.12						0.58
AEO85	0.05	0.31	0.25	0.23	0.30	0.41	0.30	0.14	0.04	0.14		0.25
AEO86		0.05	0.06	0.60	0.25	0.40	0.37	0.53	0.74	0.80	0.90	
AEO87			0.10	0.33	0.21	0.29	0.38	0.56	0.75	0.81	0.94	
AEO89				0.07	0.04	0.01	0.12	0.31	0.51	0.67	0.82	0.80
AEO90					0.02	0.02						0.62
AEO91						0.09	0.11	0.22	0.39	0.35	0.39	0.45
AEO92							0.16	0.30	0.33	0.38	0.44	0.37
AEO93								0.13	0.13	0.11	0.20	0.17
AEO94									0.19	0.06	0.03	0.04
AEO95										0.00	0.15	0.02
AEO96											0.13	0.03
AEO97												0.04
AEO98												
AEO99												
AEO2000												
AEO2001												
AEO2002												
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
(absolute percent error)												
AEO82	33.1	72.7	26.7	2.5	7.0	17.7						
AEO83	20.8	68.4	31.0	0.8	3.9	14.9						54.2
AEO84	10.7	52.4	23.5	4.1	11.7	8.6						21.5
AEO85	5.1	45.1	26.7	18.9	23.4	28.6	18.0	7.2	1.8	5.8	9.2	
AEO86		7.4	6.3	49.2	19.5	27.4	22.7	27.6	33.5	32.6	33.4	29.5
AEO87			10.5	27.0	16.4	19.8	23.4	29.2	33.9	33.0	34.9	
AEO89				5.7	3.1	0.4	7.5	16.2	23.1	27.3	30.4	28.8
AEO90					1.6	1.1						23.0
AEO91						5.9	6.9	11.5	17.6	14.3	14.4	16.2
AEO92							10.0	15.7	14.9	15.5	16.3	13.3
AEO93								6.8	5.9	4.5	7.3	6.1
AEO94									8.6	2.5	1.0	1.4
AEO95										0.1	5.5	0.7
AEO96											4.7	1.1
AEO97												1.4
AEO98												
AEO99												
AEO2000												
AEO2001												
AEO2002												

Table 11. Net Natural Gas, Imports, Actual vs. Forecasts

	Absolute Forecasting Errors as Compared to Actual Historical Figures					Average Absolute Error (Across Years)
	1997	1998	1999	2000	2001	
(absolute forecasting error)						
AEO82						0.24
AEO83						0.38
AEO84						0.23
AEO85						0.22
AEO86	0.67	0.61	1.00	1.11		0.59
AEO87						0.49
AEO89	0.78	0.84	1.19	1.23		0.57
AEO90						0.22
AEO91	0.48	0.57	0.93	0.98	0.95	0.49
AEO92	0.28	0.31	0.72	0.82	0.89	0.45
AEO93	0.10	0.10	0.47	0.54	0.60	0.25
AEO94	0.03	0.14	0.53	0.61	0.70	0.26
AEO95	0.03	0.12	0.53	0.64	0.75	0.28
AEO96	0.01	0.11	0.49	0.56	0.63	0.28
AEO97	0.12	0.17	0.01	0.08	0.15	0.09
AEO98	0.11	0.20	0.11	0.30	0.22	0.19
AEO99		0.07	0.26	0.25	0.24	0.20
AEO2000			0.00	0.11	0.20	0.11
AEO2001				0.02	0.12	0.07
AEO2002					0.03	0.03
Actual						
Average Absolute Error (Across AEOs)						0.35
(absolute percent error)						
	1997	1998	1999	2000	2001	Absolute Percent Error (Across Years)
AEO82						26.6
AEO83						27.7
AEO84						18.9
AEO85						17.3
AEO86	23.6	20.4	29.2	31.3		26.2
AEO87				29.3		25.7
AEO89	27.5	28.1	34.8	34.7		20.6
AEO90				24.3		12.5
AEO91	16.9	19.1	27.2	27.6	26.0	17.0
AEO92	9.9	10.4	21.1	23.1	24.3	15.9
AEO93	3.5	3.3	13.7	15.2	16.4	8.3
AEO94	1.1	4.7	15.5	17.2	19.1	7.9
AEO95	1.1	4.0	15.5	18.0	20.5	8.2
AEO96	0.4	3.7	14.3	15.8	17.2	8.2
AEO97	4.2	5.7	0.3	2.2	4.0	3.0
AEO98	3.9	6.7	3.2	8.5	6.1	5.7
AEO99		2.3	7.6	7.0	6.5	5.9
AEO2000			0.0	3.2	5.6	2.9
AEO2001				0.7	3.2	1.9
AEO2002					1.0	1.0
Average Absolute Percent Error (Across AEOs)						15.8